

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date  
21 April 2005 (21.04.2005)

PCT

(10) International Publication Number  
**WO 2005/036390 A2**

(51) International Patent Classification<sup>7</sup>:

**G06F 9/44**

(21) International Application Number:

PCT/GB2004/004276

(22) International Filing Date: 7 October 2004 (07.10.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

0323442.4 7 October 2003 (07.10.2003) GB  
0323439.0 7 October 2003 (07.10.2003) GB  
0323440.8 7 October 2003 (07.10.2003) GB

(71) Applicant (for all designated States except US): SYMBIAN SOFTWARE LIMITED [GB/GB]; 2-6 Boundary Row, London SE1 8HP (GB).

(72) Inventor; and

(75) Inventor/Applicant (for US only): KREN, David [GB/GB]; 2-6 Boundary Row, London SE1 8HP (GB).

(74) Agent: ORIGIN LIMITED; 52 Muswell Hill Road, London N10 3JR (GB).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

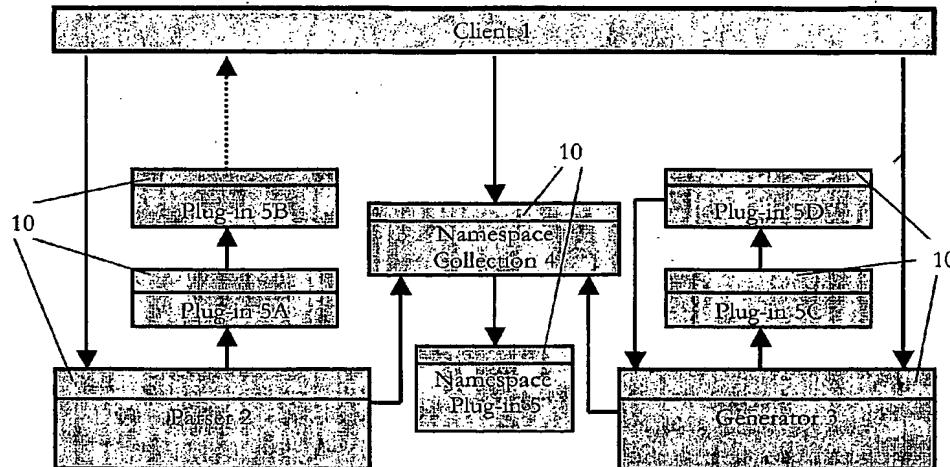
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished upon receipt of that report

[Continued on next page]

(54) Title: EXTENSIBLE FRAMEWORK FOR HANDLING DIFFERENT MARK UP LANGUAGE PARSERS AND GENERATORS IN A COMPUTING DEVICE



(57) Abstract: A computing device programmed with an extensible framework that accepts one or more mark-up language parsers and/or generators, each implemented as plug-ins to the framework, with different plug-ins enabling different kinds of mark up languages to be handled by the device. In this way, the client is no longer tied to a single kind of parser or generator; it can operate with any different kind of parser compatible with the intermediary layer, yet it remains far simpler than prior art clients that are hard-coded to operate directly with several different kinds of parsers and generators.

WO 2005/036390 A2

**WO 2005/036390 A2**



*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*